

MCDR INSPECTION REPORT (2019-20)

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Mr Rajesh Kumar Das, Senior Assistant Controller of Mines Indian Bureau of Mines Raipur
2	Date of inspection & Accompanying person	05.02.2021 & Shri Deepak Gupta, Manager Mine
3	Name of the Mine	Aridongri Iron ore Mine of M/S Chhattishgarh Mineral Development Corporation Limited
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Mining Lease Area-166.8 Ha. and Approach Road Area-0.9 Ha. Thus Total area (ML+Approach Road)-167.7 Ha.
5	Mine Code	30CHG08010
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8239/2011
7	Name of the lessee, Address, phone, email and fax number	Sonakhan Bhawan Ring Road No. Village purena post ravigram Raipur chhattishgarh Email-cmdcraipur@gmail.com Fax-0771-4001074 Phone-0771-4283557,4043477
8	Village	Kachche(Aridongri)
8	Taluka / Mandal / District	Bhnaupratappur
10	State	Chhattishgarh
11	Post office & PIN	Kachche, 494669
12	Nearest police station	Kachche
13	Nearest Railway station	Bhanupratappur
14	Date of Grant of Mining Lease	23.08.2018
15	Date of Execution	01.09.2018
16	Date of opening of Mine	31.05.2020
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Sameer vishnoi(I.A.S.) Sonakhan Bhawan Ring Road No. Village purena post ravigram Raipur chhattishgarh Email-cmdcraipur@gmail.com Fax-0771-4001074 Phone-0771-4283557,4043477 date of appointment- 02.03.2020
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Sushil kumar Chandrakar Sonakhan Bhawan Ring Road No. Village purena post ravigram Raipur chhattishgarh Email-cmdcraipur@gmail.com Fax-0771-4001074 Phone-0771-4283557,4043477 date of appointment- 19.03.2019
22	Name of the Mines Manager	Mr Deepak Kumar Gupta

	with Address, phone, email, fax number and date of appointment in mines	Ambedkar ward karamchari colony bhnaupratappur tahsil bhanupratappur chhattishgarh 494669 Email-cmdcbhanupratappur@gmail.com Phone/mobile -7024139741 date of appointment- 19.03.2019
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23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr Deepak Kumar Gupta Ambedkar ward karamchari colony bhnaupratappur tahsil bhanupratappur chhattishgarh 494669 Email-cmdcbhanupratappur@gmail.com Phone/mobile -7024139741 date of appointment- 19.03.2019
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	12.07.2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
27	Mineral(s) granted in lease and proved for mining	Iron ore Magnetite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Mechanised
30	Captive/Non Captive	Non captive
31	Existing EC Limit and validity	5 lakh tonne and valid till expiry of mining lease
32	Status of Financial Assurance	

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year			
1b	Exploration over lease area for Geological axis 1 or 2.	31 bore hole 2018-19 10 bore hole 2019-20 09 bore hole 2020-21 12 bore hole	No work done till date 04.02.2021	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specifically mentioned but in all the lease area, G1	Nil	

		level work to be worked		
1e	Balance reserves as on 01.04.2018 (in Million Tonnes)	G-1-1.38480 million tonne G-2-8.35241 million tonne Total-9.73721 million tonne	G-1-1.38480 million tonne G-2-8.35241 million tonne Total-9.73721 million tonne -	
1f	General remarks of inspecting officer on geology, exploration etc.	In 2019-20 no working and mine start working from 31.05.2020 & till date no dispatch.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	N to SW direction of mining lease area	Yes going on as per mining plan	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Ore and OB bench-5m	No production & development	
2c	Stripping ratio or ore to OB ratio	1:1.19 for 2019-20	Nil in 2019-20	
2d	Quantity of topsoil generation in Tonne	5330m3 for 2019-2020	Nil in 2019-20	
2e	Quantity of overburden generation in Tonne	335644 for 2019-20	Nil in 2019-20	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	In 2019-20 no working and mine start working from 31.05.2020.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	114240 for 2019-20	Nil in 2019-20	119257.239 ton in 2020-21 till 31.01.2021
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	

3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Chemical analysis lab	Yet to be established in the mines.	
3j	Provision of drilling & blasting in mineral benches	Yes	No working in 2019-20	
3k	Provision of mining machineries in mineral benches	Yes	No working in 2019-20	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	No working in 2019-20	
3m	Total area covered under excavation/pits	10.90 Ha. For the first five financial year from 2018-2023	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:1.19 for 2019-20 1:0.68 for 2020-21	Nil in 2019-20 1:2.3133 in 2020-21 till 31.01.2021	
3o	Total area put in use under different heads at the end of year	33.280 Ha. Including pits, various dumps, crusher area ,road etc	Yes as per mining plan	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	69600 for 2018-19, 114240 for 2019-20, 343200 for 2020-21,	Nil in 2018-19 Nil in 2019-20 119257.239 in 2020-21 till 31.01.2021	
3q	General remarks of inspecting officer on method of mining etc.	Nil		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	N E of lease area, NE of lease area and no dump proposed for rejects	Yes	
4c	Number of dumps within lease area and outside lease area	01	Yes	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	NE of lease area	NA	
4e	Number of active & alive dumps	Top soil-01 BHQ/BMQ-01	NA	

		Metapellite-01		
4f	Number of dead dumps	NA	Nil	
4g	Number of dumps stabilised	Yes	Nil Will be stabilised after dump and benching works over	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	yes	
4i	Length of Retaining wall or garland drain all along dump	1500 meter	Approx. 500 meter	
4j	Number of settling ponds	-	01	
4k	Specific comments of inspecting officer on waste dump management	Nil		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area not matured for backfilling.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	Yes	Submitted on time	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) Nil ii)1.45 Ha. iii)2500 iv)2500 v)Nil vii)-	Yes	

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	-	Mines is on development stage
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical		
7c	Different grade of mineral sorted out at mines	Yes	yes	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine not started production in 2019-20 therefore no comments.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Yes	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No	No	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	-	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Yes	-	
8g	Survival rate	-	-	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Nil		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto - Oct 2020 A.R. submitted upto- June-2020	Yes submitted on time

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	33.280 Ha. Covered including under pit, ob dumps, approach road and top soil dumps		
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	At the time of mine visit approx 1.20 lakh ROM stock in mine	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		

9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Yes		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The mine is inspected first time after mine start operating and during present inspection Rule 11,31(4),45(5) & 55 of MCDR,2017 found violated.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)